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14. □□□□□□□□□ The Selfish Gene□□ The Immortal Gene□□□□□□□□□□□□□□□□□□□□□□□□

15. □□□□□□□□□□□□□□□□□□□□□□□□□Freeman Dyson □□□ Birds and Frogs □□ birds □ frogs □□ □□□□□□□□□□□□□□□□□□□□□□

16. □□□□□□□□□□□Austrian School of Economics□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□

17. □□□selfish gene □□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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20. □□□□□“□□□□”□□□□□□□□□□□□“□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□

21. □□□ Turing Machine □□□deterministic, probabilistic, etc.□□□□□□□□□□□

22. □□ Turing Test □□□□□□□□□□□□□□□□□□□□□□□□□□ SAE level 4 □ level 5 □□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□

23. □□□□□□□□□□□□□□□□□□□□□□□□□□□ word-embedding vector space □ encoder-decoder, attention, transformer, BERT □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□

24. □□□□□□□□ deep-learning □□□□□ deep residual networks □□□□□generative adversarial networks, etc.□□□□□□□□□□□□□□□□□□□□□□□□□□

25. □□□□□□□□□□□□ Universal Approximation Theorem □□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□ overfitting□underfitting □□□□□□□□□□□□□□□□□□ chaos phenomena □□□□ □□□□□□□

26. □□□ reward □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Reward Is Enough □□□□□□

27. □□ □□□□□□selfish gene □□ □□□□□□□□□□□□□□□□□□□□□□□□□□

28. □□□□

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